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- 1 [A system for translating locative prepositions from English into French](#)
 Nathalie Japkowicz, Janyce M. Wiebe
 June 1991 Proceedings of the 29th annual meeting on Association for Computational Linguistics
Publisher: Association for Computational Linguistics
 Full text available: [Publisher Site](#), [Pdf \(663.29 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 8, Citation Count: 4

Machine translation of locative prepositions is not straightforward, even between closely related languages. This paper discusses a system of translation of locative prepositions between English and French. The system is based on the premises that English ...

- 2 [Inferring knowledge from a large semantic network](#)

Dominique Dutot, Thierry Poibeau
 August 2002 Proceedings of the 19th international conference on Computational linguistics - Volume 1 , Volume 1
Publisher: Association for Computational Linguistics
 Full text available: [Pdf \(81.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 11, Citation Count: 2

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In this paper, we present a rich semantic network based on a differential analysis. We then detail implemented measures that take into account common and differential features between words. In a last section, we describe some industrial applications.

3 Bootstrapping toponym classifiers

[David A. Smith, Gideon S. Mann](#)

May 2003 [Proceedings of the HLT-NAACL 2003 workshop on Analysis of geographic references - Volume 1 , Volume 1](#)

Publisher: Association for Computational Linguistics

Full text available:  [Pdf \(62.70 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 12, Citation Count: 7

We present minimally supervised methods for training and testing geographic name disambiguation (GND) systems. We train data-driven place name classifiers using toponyms already disambiguated in the training text --- by such existing cues as "Nashville, ...

4 Drudgery and deep thought

 [Gregory Crane, Robert F. Chavez, Anne Mahoney, Thomas L. Milbank, Jeffrey A. Rydberg-Cox, David A. Smith, Clifford E. Wulfman](#)

May 2001 [Communications of the ACM , Volume 44 Issue 5](#)

Publisher: ACM

Additional Information: [full citation](#),

Full text available:  [Html \(33.91 KB\)](#),  [Pdf \(290.21 KB\)](#)

[appendices and supplements](#),
[references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 140, Citation Count: 6

5 Generating and reintegrating geospatial data

 [Robert F. Chavez](#)

June 2000 [DL '00: Proceedings of the fifth ACM conference on Digital libraries](#)

Publisher: ACM

Full text available:  [Pdf \(21.91 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 23, Citation Count: 0

The process of building a geospatial component to access existing materials in the Perseus Digital Library has raised interesting questions about the interaction between historical and geospatial data. The traditional methods of describing geographic ...

Keywords: GIS, geography, geospatial integration

6 A WFS-based mediation system for GIS interoperability



Omar Boucelma, Mehdi Essid, Zoé Lacroix

November 2002 GI S '02: Proceedings of the 10th ACM international symposium on Advances in geographic information systems

Publisher: ACM

Full text available: Pdf (326.18 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 127, Citation Count: 2

The proliferation of spatial data on the Internet is beginning to allow a much wider access to data currently available in various Geographic Information Systems (GIS). In order to move to a real Web-based community where geographical data can be accessed ...

Keywords: XML, geographic information systems (GIS), geography markup Language (GML), mediation, web feature server (WFS)

7 Experiments with geographic knowledge for information extraction



Dimitar Manov, Atanas Kiryakov, Borislav Popov, Kalina Bontcheva, Diana Maynard, Hamish Cunningham

May 2003 Proceedings of the HLT-NAACL 2003 workshop on Analysis of geographic references - Volume 1 , Volume 1

Publisher: Association for Computational Linguistics

Full text available: Pdf (259.14 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 57, Citation Count: 3

Here we present work on using spatial knowledge in conjunction with information extraction (IE). Considerable volume of location data was imported in a knowledge base (KB) with entities of general importance used for semantic annotation, indexing, and ...

8 Detecting and Browsing Events in Unstructured text



David A. Smith

August 2002 SIGIR '02: Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval

Publisher: ACM

Full text available: Pdf (210.57 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 96, Citation Count: 9

Previews and overviews of large, heterogeneous information resources help users comprehend the scope of collections and focus on particular subsets of interest. For narrative documents, questions of "what happened? where? and when?" are natural points ...

Keywords: information extraction, interactive IR, visualization

9 Detecting events with date and place information in unstructured text



David A. Smith

July JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conference on
2002 Digital libraries

Publisher: ACM

Full text available: Pdf (136.87 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 80, Citation Count: 6

Digital libraries of historical documents provide a wealth of information about past events, often in unstructured form. Once dates and place names are identified and disambiguated, using methods that can differ by genre, we examine collocations to detect ...

Keywords: event detection, geographic visualization, phrase browsing

10 Metric details for natural-language spatial relations



Max J. Egenhofer, A. Rashid B. M. Shariff

October Transactions on Information Systems (TOIS) , Volume 16 Issue 4
1998

Publisher: ACM

Full text available: Pdf (1.47 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 92, Citation Count: 9

Spatial relations often are desired answers that a geographic information system (GIS) should generate in response to a user's query. Current GIS's provide only rudimentary support for processing and interpreting natural-language-like spatial relations, ...

Keywords: GIS, Metric refinements, geographic information systems, spatial relations, topological relations

11 Dynamic lexical acquisition in Chinese sentence analysis

Andi Wu, Joseph Pentheroudakis, Zixin Jiang

August Proceedings of the 19th international conference on
2002 Computational linguistics - Volume 2 , Volume 2

Publisher: Association for Computational Linguistics

Full text available: Pdf (189.25 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 20, Citation Count: 2

Dynamic lexical acquisition is a procedure where the lexicon of an NLP system is updated automatically during sentence analysis. In our system, new words and new attributes are proposed online according to the context of each sentence, and then get accepted ...

12 [Operative strategies in ontological semantics](#)

Sergei Nirenburg, Marjorie McShane, Stephen Beale

May 2003 Proceedings of the HLT-NAACL 2003 workshop on Text meaning - Volume 9 , Volume 9

Publisher: Association for Computational Linguistics

Full text available:  Pdf (220.95 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 19, Citation Count: 0

In this paper, we briefly and informally illustrate, using a few annotated examples, the static and dynamic knowledge resources of ontological semantics. We then present the main motivations and desiderata of our approach and then discuss issues related ...

13 [Resources to facilitate progress in place name identification and reference resolution](#)

Beth Sundheim

March 2002 Proceedings of the second international conference on Human Language Technology Research

Publisher: Morgan Kaufmann Publishers Inc.

Full text available:  Pdf (680.44 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 26, Citation Count: 0

This paper addresses the issue of enabling improved system performance on analyzing place names in text, especially with respect to resolving place name homonyms, and determining the unique physical location referenced by a name. The utility of reference ...

Keywords: gazetteer, lexical resource, named entity recognition, toponym

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